

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION

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Report No. 420 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 1/1/09 to 3/1/09:

- **WE2XXO VEST, CHARLES O. 0526-EX-PL-2008**
New experimental to operate in 135.7-138 kHz and 166-166.5 kHz for propagation testing
Fixed: South Coffeyville (Nowata), OK
- **WE2XSB THE BOEING COMPANY 0209-EX-PL-2008**
New experimental to operate in 100 – 960 MHz to research antenna system characteristics.
Fixed: St Charles (St Charles), MO
- **WE2XXU NORTHERN STATES POWER, A MINNESOTA CORPORATION 0494-EX-PL-2008**
New experimental to operate in select bands within 150-746 MHz for evaluating communications inside and around a nuclear reactor
Mobile: Monticello (Wright), MN, primarily indoor use
- **WE2XFM L3-COMMUNICATIONS / RANDTRON SYSTEMS 0660-EX-PL-2006**
New experimental to operate in 375-400 MHz on an antenna test range for evaluating and tuning antennas under contract.
Fixed: Half Moon Bay (San Mateo), CA
- **WE2XVO LBA TECHNOLOGY, INC. 0411-EX-PL-2008**
New experimental to operate in 435 – 495 kHz for testing a variety of radiators for their RF and magnetic propagation.
Mobile: Pactolus, NC
- **WE2XXJ 3M COMPANY 0522-EX-PL-2008**
New experimental to operate in 430 – 460 MHz, 902 – 928 MHz and 2.4 - 2.5 GHz to test spread spectrum RFID equipment.
Fixed: Cottage Grove (Washington), MN
- **WE2XWW BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0468-EX-PL-2008**
New experimental to operate on spot frequencies and ranges between 450 MHz and 925 MHz for research and development of a radio network: Tactical Warfare Network Node (TWNN).
Mobile: Temporary Fixed Locations, Wayne and Ft. Dix, NJ
- **WE2XTK RAYTHEON COMPANY 0284-EX-PL-2008**
New experimental to operate in frequency bands between 500 and 1900 MHz to design, integrate test and demonstrate the capabilities of a see-through wall radar system.
Mobile: McKinney (Collin), TX

- **WE2XTL RAYTHEON COMPANY 0288-EX-PL-2008**
New experimental to operate in frequency bands between 500 and 1900 MHz to design, integrate test and demonstrate the capabilities of a see-through wall radar system.
Mobile: Santa Barbara (Santa Barbara), CA
- **WE2XXY ALCATEL-LUCENT 0513-EX-PL-2008**
New experimental to operate in the 700 MHz, 1.7 GHz and 2 GHz bands to evaluate new technology
Fixed: Whippany and Murray Hill, NJ
- **WE2XXM INCNETWORKS 0404-EX-PL-2008**
New experimental to operate in 824 – 849 MHz, 849 – 894 MHz, 1850 - 1910 MHz and 1930 – 1990 MHz for testing radio technology for voice, data, and multimedia traffic.
Mobile: Within the State of New Jersey
- **WE2XWQ INCNETWORKS 0406-EX-PL-2008**
New experimental to operate in 824 – 849 MHz, 849 – 894 MHz, 1850 - 1910 MHz and 1930 – 1990 MHz for testing wireless data communications
Mobile: New York City, NY
- **WE2XXQ BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0524-EX-PL-2008**
New experimental to operate in 925 – 960 MHz, 1805 – 1880 MHz and 1930 – 1990 MHz to test a Tactical Base Station Router (TACBSR).
Mobile: Temporary Fixed Locations, BAE Systems Campus - Wayne, NJ
- **WE2XRK LOCKHEED MARTIN CORPORATION 0192-EX-PL-2008**
New experimental to operate on 1030 MHz for testing air defense radar capabilities.
Mobile: Syracuse (Onondaga), NY
- **WE2XXG BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0489-EX-PL-2008**
New experimental to operate in 1213 – 1237 MHz, on 1227.60 MHz, in 1563 – 1587 MHz, and on 1575.42 MHz for testing GPS.
Fixed: Nashua and Hudson (Hillsboro) NH
- **WE2XOH OSU-UNIVERSITY MULTISPECTRAL LABORATORIES, LLC 0037-EX-PL-2008**
New experimental to operate in 1250 – 1390 MHz for sensor test and evaluation services on behalf of ussocom.
Mobile: Chilocco (Kay), OK; Indianola (Comanche), OK
- **WE2XVN LOCKHEED MARTIN CORPORATION 0378-EX-PL-2008**
New experimental to operate on 1358.25 MHz, 1380.25 MHz, 1809.75 MHz and in 76000 – 77000 MHz for test of an Unmanned Squad Mission Support System (SMSS).
Fixed & Mobile: Grand Prairie (Tarrant), TX; Littleton (Jefferson), CO
- **WE2XWO HONEYWELL INTERNATIONAL 0379-EX-PL-2008**
New experimental to operate in 1370-1390 MHz, 1736-1848 MHz and 4.4-4.7 GHz for flight testing of unmanned aerial systems under government contracts.
Mobile: Albuquerque, NM
- **WE2XVC HONEYWELL INTERNATIONAL 0278-EX-PL-2008**
New experimental to operate in 1370-1390 MHz, 1736-1848 MHz and 4.4-4.7 GHz for flight testing of unmanned aerial systems under government contracts.
Mobile: Laguna Pueblo, New Mexico (approximately 40 miles west of Albuquerque)
- **WE2XWX LOCKHEED MARTIN CORPORATION 0480-EX-PL-2008**
New experimental to operate on 1450 MHz and 1515 MHz to test F-16 fighter aircraft
Mobile: Fort Worth, TX, and Holloman AFB, NM at an altitude of 0 to 50000 feet MSL

- **WE2XXS CESSNA AIRCRAFT COMPANY 0458-EX-PL-2008**
New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.
Fixed: Wichita (Sedgwick), KS
- **WE2XWF PRODUCT SUPPORT SERVICES, INC. 0462-EX-PL-2008**
New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.
Fixed: Coppell (Dallas), TX
- **WE2XXF WOODS HOLE OCEANOGRAPHIC INSTITUTION 0474-EX-PL-2008**
New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems
Fixed: Falmouth (Barnstable), MA
- **WE2XYY LOCKHEED MARTIN CORPORATION 0024-EX-PL-2009**
New experimental to operate in 1922.40 MHz - 1932.40 MHz and 2112.40 - 2122.40 MHz to test data network infrastructures.
Mobile: Sunnyvale, CA
- **WE2XXN LOCKHEED MARTIN 0503-EX-PL-2008**
New experimental to operate in 1922.40 - 2122.40 MHz to test a communication link between families of heterogeneous systems.
Fixed & Mobile: Edinburgh, IN; Suffolk and Yorktown, VA; San Miguel, CA
- **WE2XWJ THE BOEING COMPANY 0466-EX-PL-2008**
New experimental to operate on spot frequencies between 2357.50 MHz and 2495.00 MHz for testing a video downlink.
Mobile: Airborne up to 10,000 feet flight level, Twenty-nine Palms, CA
- **WE2XXX GENERAL DYNAMICS ARMAMENT AND TECHNICAL PRODUCTS, INC. 0009-EX-PL-2009**
New experimental to operate on 2362 MHz, 2366 MHz, 2370 MHz, 2374 MHz, 2378 MHz, 2382 MHz, 2386 MHz and 2390 MHz for development, testing, and demonstration of unmanned aerial surveillance technologies.
Mobile: Temporary Fixed Locations (Ground) within 1 km of Specified Center point Coordinates (Ethan Allen Firing Range - Jericho, VT)
- **WE2XXW APERTO NETWORKS 0510-EX-PL-2008**
New experimental to operate on 2500 MHz for testing WiMax equipment
Fixed & Mobile: San Jose and Milpitas (Santa Clara), CA
- **WE2XYL HARRIS CORPORATION 0055-EX-PL-2009**
New experimental in 2520-2530 MHz, 2540-2550 MHz and 2681-2690 MHz to develop a new family of radio communications equipment for use by military, government, and public safety organizations.
Fixed & Mobile: Rochester (Monroe), NY
- **WE2XXT NEC LABORATORIES AMERICA 0516-EX-PL-2008**
New experimental to operate in 2585-2595 MHz and 2605-2615 MHz to test a WiMAX base station cellular network system
Mobile: Princeton (Mercer), NJ
- **WE2XWB ITT INDUSTRIES 0427-EX-PL-2008**
New experimental to operate in 5250 – 5850 MHz to test and modify ITT built radar systems GILFILLAN.
Fixed: Newhall (Los Angeles), CA
- **WE2XVL TECHNOCOM CORPORATION 0219-EX-PL-2008**
New experimental to operate on 5900 MHz for researching and testing a network of roadside equipment (RSE) with Dedicated Short Range Communication (DSRC) radios.
Fixed & Mobile: New York, NY

- **WE2XYM INCNETWORKS 0517-EX-PL-2008**
New experimental to operate in 5925 – 6425 MHz to develop and test prototype enterprise in-building wireless communications systems
Mobile: Long Branch, NJ
- **WE2XYN INCNETWORKS 0518-EX-PL-2008**
New experimental to operate in 5925 – 6425 MHz to develop and test prototype enterprise in-building wireless communications systems
Mobile: Within the state of New Jersey
- **WE2XPM GENERAL DYNAMICS ARMAMENT AND TECHNICAL PRODUCTS, INC. 0359-EX-PL-2007**
New experimental in 6000-8065 MHz, 8145-8190 MHz, 8270-8310 MHz, 8390 MHz -10.6 GHz, 10.7-14.47 GHz, 14.5-15.35 GHz and 15.4-18 GHz for radiated testing for the development, manufacture and acceptance testing of military and commercial radomes.
Fixed: Marion (Smyth), VA
- **WE2XXL THE BOEING COMPANY 0002-EX-PL-2009**
New experimental to operate in 9380 – 9440 MHz and on 9410 MHz for testing radar for using as a laser range surveillance and safety device.
Fixed: Kula (Maui) HI
- **WE2XWV INNOVATIVE SIGNAL ANALYSIS INC 0483-EX-PL-2008**
New experimental to operate in 23.22 - 23.24 GHz to test a one way ground communication link
Mobile Wylie, Rowlett and Richardson, TX
- **WE2XXB THE BOEING COMPANY 0505-EX-PL-2008**
New experimental to operate in 75 – 105 GHz to analyze a high power collimated MM-wave beam.
Fixed: Simi Valley (Ventura), CA
- **WE2XWY UNIVERSITY OF WYOMING 0490-EX-PL-2008**
New experimental to operate on 94.92 GHz to operate a radar to study the properties of clouds and storms.
Mobile: United States and territories